

Title (en)

METHOD FOR REMOVAL, SEPARATION OR DEGRADATION OF PERSISTENT ORGANIC POLLUTANTS FROM A SUBSTRATE

Title (de)

VERFAHREN ZUR ENTFERNUNG, TRENNUNG ODER ZUM ABBAU VON PERSISTENTEN ORGANISCHEN SCHADSTOFFEN AUS EINEM SUBSTRAT

Title (fr)

PROCÉDÉ POUR L'ÉLIMINATION, LA SÉPARATION OU LA DÉGRADATION DE POLLUANTS ORGANIQUES PERSISTANTS À PARTIR D'UN SUBSTRAT

Publication

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Application

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Abstract (en)

The present invention relates to a method for removal, separation or degradation of one or more persistent organic pollutant(s) (POPs) present in a substrate, the method comprising (i) the provision of a POP-contaminated substrate; (ii) a first reaction stage comprising adding to the substrate a basic solution (solution 1), and optionally one or more additives selected from the group comprising a transphase catalyst (TPC) and a hydrogen peroxide dissociation catalyst, and incubating the substrate with solution 1 and optionally the one or more additives for at least 15 minutes; and (iii) a second reaction stage comprising adding to the substrate a hydrogen peroxide solution (solution 2) and optionally one or more additives selected from the group comprising a TPC and a hydrogen peroxide dissociation catalyst, wherein a hydrogen peroxide dissociation catalyst and a TPC are added during the first and/or the second reaction stage.

IPC 8 full level

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Citation (applicant)

WO 2013093903 A1 20130627 - YISSUM RES DEV CO [IL]

Citation (search report)

- [YD] WO 2013093903 A1 20130627 - YISSUM RES DEV CO [IL]
- [Y] US 2010215437 A1 20100826 - BRYANT JAMES DANIEL [US]

Cited by

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